

Converting Colors

XYZ(75.0836, 90.8593, 55.9041)

Have a look what the booklet for
XYZ(75.0836, 90.8593, 55.9041)
contains.

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Color

**XYZ(75.1599, 90.9031,
55.7042)**

Conversions

Conversions Part 1

Format	Color
Hex	E2FFB2
RGB	226, 255, 178
RGB Percent	89%, 100%, 70%
CMY	0.1137, 0.0000, 0.3020
CMYK	0.11, 0.00, 0.30, 0.00
HSL	83°, 100%, 85%
HSV	83°, 30%, 100%
XYZ	75.1599, 90.9031, 55.7042
YIQ	237.5510, 7.4330, -30.0950

Conversions

Conversions Part 2

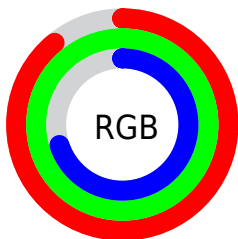
Format	Color
RYB	178, 255, 207
Decimal	14876594
CIELab	96.37, -21.99, 33.78
CIELCh	96, 40.309, 123.058
Yxy	90.9031, 0.3389, 0.4099
Android (android.graphics.Color)	4293066674 (0xFFE2FFB2)
YUV	237.5510, -29.3586, -10.1302
Hunter-Lab	95.3431, -26.1372, 32.1000

Details

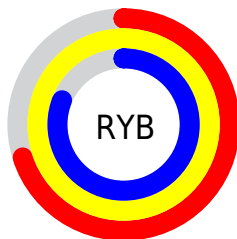
The XYZ color **75.1599, 90.9031, 55.7042** is a light color, and the websafe version is hex **CCFF99**. A complement of this color would be **59.7036, 52.3275, 101.5612**, and the grayscale version is **81.1359, 85.3613, 92.9584**.

A 20% lighter version of the original color is **91.8513, 98.7205, 92.0558**, and **40.4733, 50.4149, 26.9999** is the 20% darker color. If you saturate the color by 10%, you get **69.9049, 88.4629, 43.3127**, and if you desaturate by 10%, it is **81.0604, 93.6210, 70.6127**.

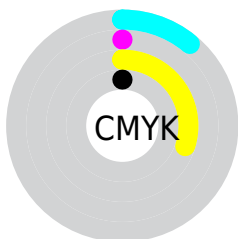
Distribution



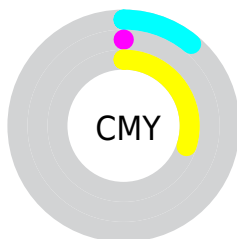
- Red (89%)
- Green (100%)
- Blue (70%)



- Red (70%)
- Yellow (100%)
- Blue (81%)



- Cyan (11%)
- Magenta (0%)
- Yellow (30%)
- Black (0%)





- Cyan (11%)
- Magenta (0%)
- Yellow (30%)

Brightness & Saturation Gradients


These gradients show how the XYZ color 75.1599, 90.9031, 55.7042 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.


Similar to the brightness gradients but the following saturation gradients show a change of the XYZ color 75.1599, 90.9031, 55.7042 by changing the saturation by 10% instead.


 75.1599, 90.9031,
55.7042

 75.1599, 90.9031,
55.7042


467.4557,
530.9642, 425.9327

 56.0385, 68.7299,
39.5634

 125.5254,
148.5922, 100.0534

 40.4709, 50.4918,
26.8871


157.5002,
184.8769, 129.0989

 28.0918, 35.8043,
17.2568


194.4902,
226.6343, 163.2831

 18.5357, 24.2831,
10.2538

236.8608,
274.2486, 203.0245

 11.4372, 15.5438,
5.4598

284.9773,
328.1044, 248.7416

 6.4312, 9.2019,
2.4561

339.2050,

 3.1521, 4.8731,

388.5860, 300.8530

0.8167

399.9094,
456.0778, 359.7772

■ 1.2347, 2.1730,
0.0000

■ 0.1335, 0.7052,
0.0000

■ 75.1599, 90.9031,
55.7042

■ 75.1599, 90.9031,
55.7042

■ 69.9049, 88.4629,
43.3127

■ 81.0604, 93.6210,
70.6127

■ 65.2651, 86.2879,
33.2949

■ 87.6322, 96.6273,
88.1628

■ 61.2090, 84.3652,
25.4995

94.9011, 99.9325,
108.4755

■ 57.7014, 82.6805,
19.7557

95.0500, 100.0000,
108.9000

■ 54.7022, 81.2173,
15.8682

■ 52.1642, 79.9564,
13.6036

■ 50.0500, 78.8868,
12.5888

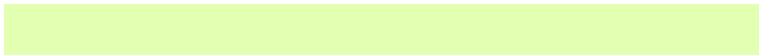
Harmonies

Analogous

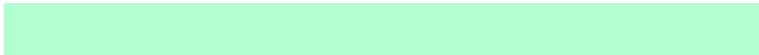
The Analogous color harmony consists of three colors that are next to each other on the color wheel.



85.2550, 90.9031, 49.2166



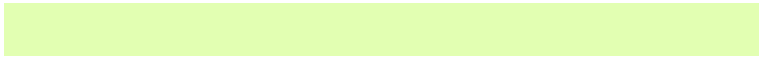
75.1599, 90.9031, 55.7042



68.5620, 90.9031, 73.5426

Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



75.1599, 90.9031, 55.7042



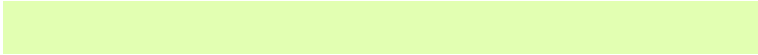
76.9909, 90.9031, 164.8976



109.7809, 90.9031, 95.7188

Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



75.1599, 90.9031, 55.7042



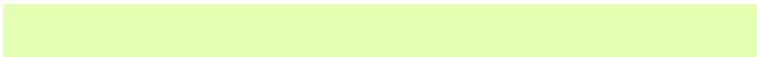
59.7036, 52.3275, 101.5612

Split Complementary

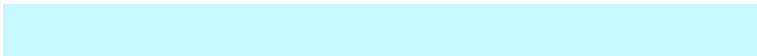
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



107.0927, 90.9031, 129.6907



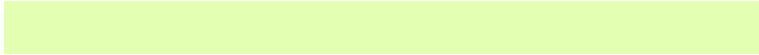
75.1599, 90.9031, 55.7042



87.5565, 90.9031, 174.3729

Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



75.1599, 90.9031, 55.7042



69.5531, 90.9031, 136.6467



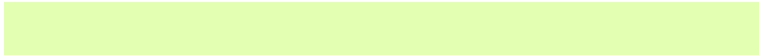
98.7098, 90.9031, 160.3093



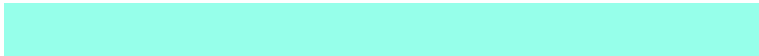
105.7703, 90.9031, 68.9585

Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



75.1599, 90.9031, 55.7042



66.7078, 90.9031, 91.6974



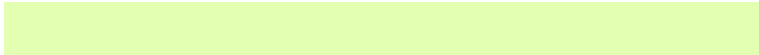
98.7098, 90.9031, 160.3093



109.6315, 90.9031, 106.6342

Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



75.1603, 90.9033, 55.7055



88.4638, 97.0064, 90.4427



71.4040, 68.7303, 51.6237



18.7185, 20.6647, 18.7655



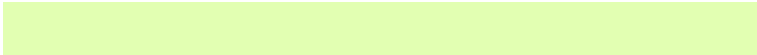
0.0000, 0.0000, 0.0000



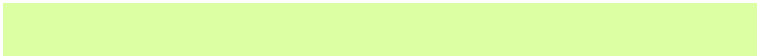
20.3446, 21.4041, 23.3091

Same Dimension

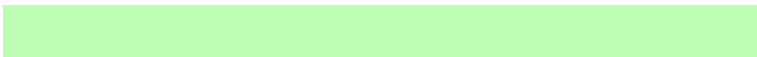
The Same Dimension uses a secret algorithm to generate beautiful new colors.



75.1603, 90.9033, 55.7055



72.0329, 89.4536, 48.2141



64.6015, 85.4600, 55.2114



18.8595, 20.7290, 19.1514



26.3233, 41.3082, 6.5859



2.6843, 4.0846, 0.6469

Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



59.7036, 52.3275, 101.5612



54.4121, 45.4606, 100.5147



71.5342, 58.4264, 102.1149



17.6494, 17.7110, 22.7383



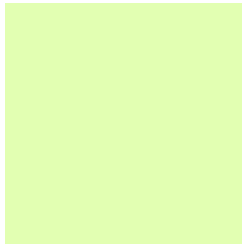
12.1063, 5.1515, 49.7909



1.2952, 0.5616, 4.8534

Previews

White Background



This preview shows how the XYZ color 75.1599, 90.9031, 55.7042 looks on a white background.

Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail

Black Background



This preview shows how the XYZ color 75.1599, 90.9031, 55.7042 looks on a black background.

Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

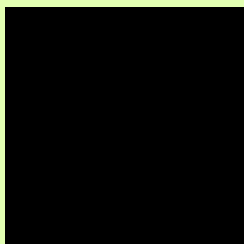
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

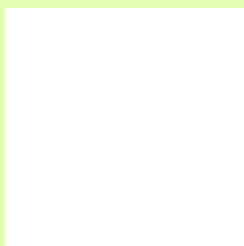
If you want to check with other color combinations, try the [Color Contrast Checker](#).

XYZ 75.1599, 90.9031, 55.7042

Background



This preview shows how black text looks on a background with the XYZ color 75.1599, 90.9031, 55.7042.

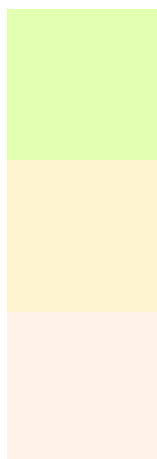


This preview shows how white text looks on a background with the XYZ color 75.1599, 90.9031,

Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

Dichromacy



Original Color

75.1599, 90.9031, 55.7042

Protanopia

84.9758, 90.5154, 72.6670

Deuteranopia

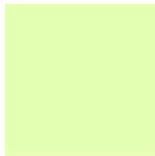
87.5576, 90.5905, 89.2149



Tritanopia

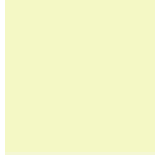
86.6763, 90.6221, 107.5312

Trichromacy



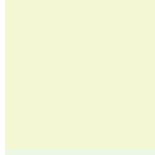
Original Color

75.1599, 90.9031, 55.7042



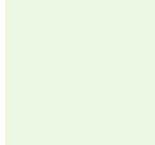
Protanomaly

80.9537, 90.3991, 66.0054



Deuteranomaly

82.4527, 90.5081, 75.4114



Tritanomaly

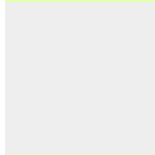
82.0246, 90.5137, 85.8208

Monochromacy



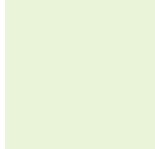
Original Color

75.1599, 90.9031, 55.7042



Achromatopsia

81.2670, 85.4993, 93.1087



Achromatomaly

78.6770, 87.1517, 77.6410

CSS Examples

Text

The CSS property to change the color of the text to XYZ 75.1599, 90.9031, 55.7042 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(226, 255, 178)` looks like.

```
.text, #text, p{  
    color:rgb(226, 255, 178)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(226, 255, 178) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(226, 255, 178) }
```

Border

The CSS property to change the border of an element to XYZ 75.1599, 90.9031, 55.7042 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(226, 255, 178) }
```


If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(226, 255, 178) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(226, 255, 178)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(226, 255, 178); -webkit-box-  
shadow:4px 4px 4px 4px rgb(226, 255, 178);  
box-shadow:4px 4px 4px 4px rgb(226, 255,  
178) }
```

Background

The CSS property to change the background color of an element to XYZ 75.1599, 90.9031, 55.7042 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(226, 255, 178) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(226,  
255, 178) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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